

Patent Claims

1. Coal-fired power station with
- a boiler (1) that can be heated by a dry firing,
 - 5 - a flue gas channel that adjoins the boiler (1) and leads to a catalytic converter (7) for reducing the NO_x level, and
 - a coarse ash separator (16) that is disposed upstream of the catalytic converter (7) in a section (15) of the flue gas channel (6) and is provided with a sieve (17) that extends essentially
 - 10 over the entire cross-sectional area of the flue gas channel (6),
 - whereby the sieve (17) of the coarse ash separator (16) can be deflected out of a position of rest by the flue gas stream against the effect of a restoring force.
- 15 2. Coal-fired power station according to claim 1, characterized in that the position of rest of the sieve (17) is defined by a stop (18).
- 20 3. Coal-fired power station according to claim 1 or 2, characterized in that the section (15) of the flue gas channel (6) in which the coarse ash separator (16) is disposed extends essentially

sections (19) that are disposed at an angle relative to one another.

5 7. Coal-fired power station according to claim 6, characterized in that the surface sections (19) of the sieve (17) rest against support meshes (24) that are disposed downstream.

10 8. Coal-fired power station according to claim 7, characterized in that the surface sections (19) of the sieve (17) and the pertaining support meshes (24), are drawn onto frames (21) that are secured to a support structure (22).

15 9. Coal-fired power station according to one of the claims 1 to 8, characterized in that the section (15) of the flue-gas channel (6) that contains the coarse ash separator (16) adjoins an ash funnel (5), and that the coarse ash separator (16) is disposed at the transition of the ash funnel (5) to the section (15) of the flue gas channel.